



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## RECEIVED Test Ticket

AUG 09 2010

NO. 039586 14587

4/10

BY: \_\_\_\_\_

Well Name & No. Knapp #3-31 Test No. 1 Date 8-5-10

Company Lario Oil Elevation 2951 KB \_\_\_\_\_ GL \_\_\_\_\_

Address 301 E. Market Wichita, KS 67202

Co. Rep / Geo. Jon Christensen Rig Val 4

Location: Sec. 31 Twp. 13 Rge. 31 Co. Gove State KS

Interval Tested 4128 - 4160 Zone Tested Lansing

Anchor Length 32 Drill Pipe Run 4133 Mud Wt. 9.0

Top Packer Depth 4124 Drill Collars Run 0 Vis 55

Bottom Packer Depth 4128 Wt. Pipe Run 0 WL 7.2

Total Depth 4160 Chlorides 4500 ppm System LCM 1

Blow Description IF: B.O.B. @ 5 min.

ISI: Weak surface return died @ 6 min.

FF: B.O.B. @ 12 min.

FSI: B.O.B. @ 76 min.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>60</u>	Feet of <u>GMCO</u>	<u>25</u>	<u>45.30</u>	<u>30.45</u>	<u>0</u>
Rec <u>124</u>	Feet of <u>OSMW</u>	<u>0</u>	<u>0</u>	<u>55</u>	<u>45</u>
Rec <u>186</u>	Feet of <u>OSMW</u>	<u>0</u>	<u>0</u>	<u>85</u>	<u>15</u>
Rec <u>310</u>	Feet of <u>MW</u>	<u>0</u>	<u>0</u>	<u>95</u>	<u>5</u>

Rec Total 680 BHT 122 Gravity 38 API RW .087 @ 84 °F Chlorides 70000 ppm

(A) Initial Hydrostatic 2085  Test 1,225 T-On Location 10:45

(B) First Initial Flow 46  Jars \_\_\_\_\_ T-Started 12:09

(C) First Final Flow 130  Safety Joint 75 T-Open 14:15

(D) Initial Shut-In 322  Circ Sub \_\_\_\_\_ T-Pulled 17:30

(E) Second Initial Flow 137  Hourly Standby \_\_\_\_\_ T-Out 19:55

(F) Second Final Flow 269  Mileage 6SRT 81.25 Comments 434' GIP

(G) Final Shut-In 321  Sampler \_\_\_\_\_

(H) Final Hydrostatic 2006  Straddle \_\_\_\_\_

Ruined Shale Packer \_\_\_\_\_

Ruined Packer \_\_\_\_\_

Extra Copies \_\_\_\_\_

Initial Open 15  Extra Packer \_\_\_\_\_

Initial Shut-In 30  Extra Recorder \_\_\_\_\_

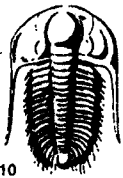
Final Flow 60  Day Standby \_\_\_\_\_

Final Shut-In 90  Accessibility \_\_\_\_\_

Sub Total 1381.25 Sub Total 1381.25 Total 1381.25 MP/DST Disc't \_\_\_\_\_

Approved By [Signature] Our Representative Chuck Smith

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



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RECEIVED  
AUG 10 2010

## Test Ticket

### NO. 039587

Well Name & No. Knapp #3-31 Test No. 2 Date 8-6-10  
 Company Lario Oil Elevation 2951 KB \_\_\_\_\_ GL \_\_\_\_\_  
 Address 301 S. Market Wichita, KS 67202  
 Co. Rep / Geo. Jon Christensen Rig Val 4  
 Location: Sec. 31 Twp. 13 Rge. 31 Co. Gove State KS

Interval Tested 4162-4197 Zone Tested LKC 'I'  
 Anchor Length 35 Drill Pipe Run 4163 Mud Wt. 9.1  
 Top Packer Depth 4158 Drill Collars Run 0 Vis 54  
 Bottom Packer Depth 4162 Wt. Pipe Run 0 WL 7.2  
 Total Depth 4197 Chlorides 4500 ppm System LCM 1

Blow Description IF: 5" Blow.  
ISI: No return.  
FF: 3 1/2" Blow.  
FSL: 2" Return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>30</u>	Feet of <u>650C MW</u>	%gas	<u>1</u> %oil <u>55</u>	%water <u>44</u>	%mud
Rec <u>124</u>	Feet of <u>MW</u>	%gas	%oil <u>50</u>	%water <u>50</u>	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 154 BHT 121 Gravity — API RW .120 @ 90 °F Chlorides 50,000 ppm

(A) Initial Hydrostatic 2119  Test 1,225 T-On Location 5:45  
 (B) First Initial Flow 19  Jars \_\_\_\_\_ T-Started 6:32  
 (C) First Final Flow 38  Safety Joint 75 T-Open 9:04  
 (D) Initial Shut-In 542  Circ Sub N/C T-Pulled 12:51  
 (E) Second Initial Flow 41  Hourly Standby \_\_\_\_\_ T-Out 15:14  
 (F) Second Final Flow 64  Mileage 65 81.25 Comments \_\_\_\_\_  
 (G) Final Shut-In 519  Sampler \_\_\_\_\_ 30' GIP  
 (H) Final Hydrostatic 2077  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 45  
 Final Shut-In 90

Sub Total 1381.25  
 Total 1381.25  
 MP/DST Disc't \_\_\_\_\_

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RECEIVED  
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## Test Ticket

NO. 039588

Well Name & No. Knapp #3-31 Test No. 3 Date 8-7-10  
 Company Lario Oil Elevation 2951 KB \_\_\_\_\_ GL \_\_\_\_\_  
 Address 301 1/2 Market Wichita, KS 67202  
 Co. Rep / Geo. Jon Christensen Rig Val 4  
 Location: Sec. 31 Twp. 13 Rge. 31 Co. Gove State KS

Interval Tested 4218-4238 Zone Tested LKC 'K'  
 Anchor Length 20 Drill Pipe Run 4223 Mud Wt. 9.1  
 Top Packer Depth 4214 Drill Collars Run 0 Vis 48  
 Bottom Packer Depth 4218 Wt. Pipe Run 0 WL 9.2  
 Total Depth 4238 Chlorides 4000 ppm System LCM 1

Blow Description IF: B.O.B. @ 10 min.  
TST: No return  
FF: B.O.B. @ 13 min.  
FST: No return

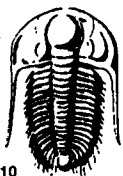
Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Oil</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>180</u>	<u>OS MW</u>	<u>0</u>	<u>85</u>	<u>15</u>	<u>0</u>
<u>402</u>	<u>MW</u>	<u>0</u>	<u>95</u>	<u>5</u>	<u>0</u>
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 589 BHT 124 Gravity - API RW .135 @ 82 °F Chlorides 47000 ppm  
 (A) Initial Hydrostatic 2099  Test 1225 T-On Location 2:30  
 (B) First Initial Flow 27  Jars \_\_\_\_\_ T-Started 3:03  
 (C) First Final Flow 106  Safety Joint 75 T-Open 5:01  
 (D) Initial Shut-In 1,122  Circ Sub N/C T-Pulled 7:36  
 (E) Second Initial Flow 111  Hourly Standby \_\_\_\_\_ T-Out 10:28  
 (F) Second Final Flow 287  Mileage 65 81<sup>25</sup> Comments \_\_\_\_\_  
 (G) Final Shut-In 1,108  Sampler \_\_\_\_\_ No GIP  
 (H) Final Hydrostatic 2064  Straddle \_\_\_\_\_

Initial Open 15  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Ruined Packer \_\_\_\_\_  
 Final Flow 45  Extra Packer \_\_\_\_\_  
 Final Shut-In 60  Extra Recorder \_\_\_\_\_  
 Sub Total 0  
 Total 1381.25  
 MP/DST Disc't \_\_\_\_\_  
 Sub Total 1381.25

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# RECEIVED

AUG 11 2010

## Test Ticket

NO. 039590

4/10

BY: \_\_\_\_\_

Well Name & No. Knapp # 3-31 Test No. 4 Date 8-6-10  
 Company Lario Oil Elevation 2951 KB \_\_\_\_\_ GL \_\_\_\_\_  
 Address 301 E. Market Wichita, KS 67202  
 Co. Rep / Geo. Jon Christensen Rig Val 4  
 Location: Sec. 31 Twp. 13 Rge. 31 Co. Cove State K5

Interval Tested 4446-4509 Zone Tested Ft. Scott / Cherokee Lime  
 Anchor Length 63 Drill Pipe Run 4437 Mud Wt. 9.  
 Top Packer Depth 4442 Drill Collars Run 0 Vis 45  
 Bottom Packer Depth 4446 Wt. Pipe Run 0 WL 8.8  
 Total Depth 4509 Chlorides 5000 ppm System LCM 2

Blow Description IF: 2 1/2" Blow.  
ISI: No return.  
FF: 1" Blow.  
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>10</u>	Feet of <u>0</u>	%gas <u>100</u>	%oil	%water	%mud
Rec <u>42</u>	Feet of <u>OSWM</u>	%gas	%oil <u>15</u>	%water <u>85</u>	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 52 BHT 122 Gravity 29 API RW 1235 @ 80 °F Chlorides 27,000 ppm

(A) Initial Hydrostatic 2283  Test 1,225 T-On Location 15:00  
 (B) First Initial Flow 17  Jars \_\_\_\_\_ T-Started 15:38  
 (C) First Final Flow 28  Safety Joint 75 T-Open 17:51  
 (D) Initial Shut-In 1,123  Circ Sub N/C T-Pulled 21:52  
 (E) Second Initial Flow 32  Hourly Standby \_\_\_\_\_ T-Out 00:44  
 (F) Second Final Flow 40  Mileage 65 81<sup>25</sup> Comments \_\_\_\_\_  
 (G) Final Shut-In 1,042  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2092  Straddle \_\_\_\_\_

Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 1381.25  
 Sub Total 1381.25 MP/DST Disc't \_\_\_\_\_

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RECEIVED  
AUG 11 2010

## Test Ticket

NO. 039591

4/10

BY:

Well Name & No. Knapp #3-31 Test No. 5 Date 8-9-10  
 Company Lario Oil + Gas Elevation 2951 KB \_\_\_\_\_ GL \_\_\_\_\_  
 Address 301 S. Market Wichita, KS 67202  
 Co. Rep / Geo. Jon Christensen Rig Val 4  
 Location: Sec. 31 Twp. 13 Rge. 31 Co. Gove State KS

Interval Tested 4508 - 4574 Zone Tested Lower Cherokee / Johnson  
 Anchor Length 66 Drill Pipe Run 4505 Mud Wt. 9.2  
 Top Packer Depth 4504 Drill Collars Run 0 Vis 58  
 Bottom Packer Depth 4508 Wt. Pipe Run 0 WL 8.0  
 Total Depth 4574 Chlorides 5400 ppm System LCM 1

Blow Description IF: 1/4" Blow died @ 23 min.  
IST: No return.  
FF: No blow.  
FST: No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>20</u>	Feet of <u>OSM</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT \_\_\_\_\_ Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic <u>2410</u>	<input type="checkbox"/> Test <u>4225</u>	T-On Location <u>13:00</u>
(B) First Initial Flow <u>22</u>	<input type="checkbox"/> Jars _____	T-Started <u>13:28</u>
(C) First Final Flow <u>23</u>	<input type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>15:33</u>
(D) Initial Shut-In <u>903</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>18:36</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>21:03</u>
(F) Second Final Flow <u>26</u>	<input type="checkbox"/> Mileage <u>65</u> <u>81<sup>25</sup></u>	Comments _____
(G) Final Shut-In <u>711</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2,265</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>8</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1381.25</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1381.25</u>	

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